



Figure 460: Select Database Range dialog

### Creating database ranges with macros

In a macro, a database range is created, accessed, and deleted using the *DatabaseRanges* service. This service has many of the same methods as the *NamedRanges* service, but lacks the *addNewFromTitles* method. *DatabaseRanges* also uses a reduced version of the *addNewByName* method that lacks arguments for a relative base address and range type:

#### **addNewByName(Name, Range)**

Adds a new database range to the current document.

As an example of creating a range using this method, the macro in Listing 20 creates a database range named *MyName* and automatically applies auto filters to each of the range's columns:

*Listing 20: AddNewDatabaseRange creates a database range and applies an auto filter*

```
Sub AddNewDatabaseRange()
    Dim oRange 'DatabaseRange object.
    Dim oAddr 'Cell address range for the database range.
    Dim oSheet 'First sheet, which will contain the range.
    Dim oDoc 'Reference ThisComponent with a shorter name.

    oDoc = ThisComponent
    If NOT oDoc.DatabaseRanges.hasByName("MyName") Then
        oSheet = ThisComponent.getSheets().getByIndex(0)
        oRange = oSheet.getCellRangeByName("A1:F10")
        oAddr = oRange.getRangeAddress()
        oDoc.DatabaseRanges.addNewByName("MyName", oAddr)
    End If
    oRange = oDoc.DatabaseRanges.getByName("MyName")
    oRange.AutoFilter = True
End Sub
```